

Product datasheet for RC201110L4V

GLI1 (NM_005269) Human Tagged ORF Clone Lentiviral Particle

Product data:

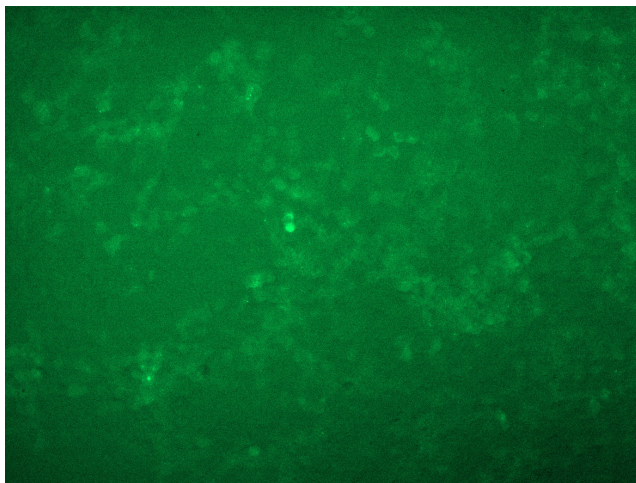
Product Type:	Lentiviral Particles
Product Name:	GLI1 (NM_005269) Human Tagged ORF Clone Lentiviral Particle
Symbol:	GLI1
Synonyms:	GLI; PAPA8; PPD1
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
ACCN:	NM_005269
ORF Size:	3318 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201110).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_005269.1 , NP_005260.1
RefSeq Size:	3618 bp
RefSeq ORF:	3321 bp
Locus ID:	2735
Cytogenetics:	12q13.3
Protein Families:	Adult stem cells, Cancer stem cells, Druggable Genome, Embryonic stem cells, ES Cell Differentiation/IPS, Stem cell relevant signaling - DSL/Notch pathway, Transcription Factors
Protein Pathways:	Basal cell carcinoma, Hedgehog signaling pathway, Pathways in cancer
MW:	117.9 kDa



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Gene Summary:

This gene encodes a member of the Kruppel family of zinc finger proteins. The encoded transcription factor is activated by the sonic hedgehog signal transduction cascade and regulates stem cell proliferation. The activity and nuclear localization of this protein is negatively regulated by p53 in an inhibitory loop. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2009]

Product images:

[RC201110L4] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC201110L4V particle to overexpress human GLI1-mGFP fusion protein.